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L1: Entry 10 of 33

File: USPT

Jul 17, 2001

DOCUMENT-IDENTIFIER: US 6261834 B1

TITLE: Vector for gene therapy

Priority Application Year (1):
1992Detailed Description Text (14):

The hybrid vectors of the present invention can be provided by inserting the heterologous gene and the cell-specific promoter between a pair of AAV-derived terminal repeats. The combination of a promoter and heterologous gene is also referred to herein as a cassette. Thus, the invention provides a vector in which: 1) the terminal repeats mediate stable, site-specific integration into the cellular genome; and 2) the promoter mediates cell-specific expression of a heterologous gene, e.g. in erythroid cells, or the promoter mediates transcription of an antisense RNA or a sense RNA encoding a polypeptide of interest. The promoter sequence is operably linked to the heterologous gene in a manner to effect expression of the gene. Hence, the promoter sequence can be at either or both ends of the heterologous sequence or coding region. Furthermore, more than one promoter and heterologous gene can be present in one vector, i.e. there can be two or more cassettes between the ITRs. Accordingly, more than one heterologous gene can be expressed by one vector.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 20 of 33 returned.**☐ 11. Document ID: US 6198021 B1

L1: Entry 11 of 33

File: USPT

Mar 6, 2001

US-PAT-NO: 6198021

DOCUMENT-IDENTIFIER: US 6198021 B1

TITLE: GA 20-oxidase gene sequences

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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☐ 12. Document ID: US 6180362 B1

L1: Entry 12 of 33

File: USPT

Jan 30, 2001

US-PAT-NO: 6180362

DOCUMENT-IDENTIFIER: US 6180362 B1

**** See image for Certificate of Correction ****

TITLE: Peptides which inhibit ras protein activity, their preparation and use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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☐ 13. Document ID: US 6177075 B1

L1: Entry 13 of 33

File: USPT

Jan 23, 2001

US-PAT-NO: 6177075

DOCUMENT-IDENTIFIER: US 6177075 B1

TITLE: Insect viruses and their uses in protecting plants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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☐ 14. Document ID: US 6160106 A

L1: Entry 14 of 33

File: USPT

Dec 12, 2000

US-PAT-NO: 6160106

DOCUMENT-IDENTIFIER: US 6160106 A

**** See image for Certificate of Correction ****

TITLE: Tumor suppressor genes, proteins encoded thereby and use of said genes and proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw	Desc
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☐ 15. Document ID: US 6150586 A

L1: Entry 15 of 33

File: USPT

Nov 21, 2000

US-PAT-NO: 6150586

DOCUMENT-IDENTIFIER: US 6150586 A

TITLE: Plant gene encoding acetyl coenzyme a carboxylase biotin carboxyl carrier protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw	Desc
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☐ 16. Document ID: US 6147279 A

L1: Entry 16 of 33

File: USPT

Nov 14, 2000

US-PAT-NO: 6147279

DOCUMENT-IDENTIFIER: US 6147279 A

TITLE: Inhibition of gene expression

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw	Desc
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☐ 17. Document ID: US 6130092 A

L1: Entry 17 of 33

File: USPT

Oct 10, 2000

US-PAT-NO: 6130092

DOCUMENT-IDENTIFIER: US 6130092 A

TITLE: Ribozyme gene library and method for making

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw	Desc
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☐ 18. Document ID: US 6120998 A

L1: Entry 18 of 33

File: USPT

Sep 19, 2000

US-PAT-NO: 6120998

DOCUMENT-IDENTIFIER: US 6120998 A

TITLE: Endo-xyloglucan transferase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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☐ 19. Document ID: US 6020172 A

L1: Entry 19 of 33

File: USPT

Feb 1, 2000

US-PAT-NO: 6020172

DOCUMENT-IDENTIFIER: US 6020172 A

**** See image for Certificate of Correction ****

TITLE: Nucleic acid delivery with ovine adenoviral vectors

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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☐ 20. Document ID: US 5968816 A

L1: Entry 20 of 33

File: USPT

Oct 19, 1999

US-PAT-NO: 5968816

DOCUMENT-IDENTIFIER: US 5968816 A

**** See image for Certificate of Correction ****

TITLE: Tumor suppressor genes, proteins encoded thereby and use of said genes and proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KVMC	Draw Desc
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Term	Documents
@PRAY.USPT.	1125941
CASSETTE.USPT.	55763
CASSETTES.USPT.	21220
PROMOTS	0
PROMOT.USPT.	40
PROMOTA.USPT.	1
PROMOTABILITY.USPT.	12
PROMOTABLE.USPT.	31
PROMOTACS.USPT.	1
PROMOTANT.USPT.	343
PROMOTANTS.USPT.	226
((@PRAY <= 1995 AND (CASSETTE SAME PROMOTS SAME (ANTISENS\$ OR RIBOZYMS))).USPT.	33

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L1: Entry 19 of 33

File: USPT

Feb 1, 2000

DOCUMENT-IDENTIFIER: US 6020172 A

**** See image for Certificate of Correction ****

TITLE: Nucleic acid delivery with ovine adenoviral vectors

Priority Application Year (1):
1995Detailed Description Text (32):

These data show clearly that ovine adenovirus can enter some, but not all, human cell types and express a foreign gene from an active promoter. It is possible to vary both the promoter and the gene in the expression cassette carried by the virus. For example, prostate tissue-specific promoters such as probasin (15) or PSMA (17), the erbB-2 promoter which is specifically active in some breast cancers (18) or the tumor-specific CEA promoter (19) could be used to achieve specific cell killing by enzyme/prodrug systems. Promoters suitably active in other tissues should be used as appropriate. Genes which could be delivered include oncogenes or tumor suppressor genes or other therapeutic genes encoding antisense or ribozyme (catalytic) RNAs, cytokines and other immune modulating proteins, vaccine antigens, proteins which catalyse processes leading to cell death and others which complement genetic defects in somatic cells. As OAV and its recombinant derivatives do not replicate productively in heterologous cells they allow the delivery and expression of genes without the risk of viral spread to non-target hosts and with minimal side effects on the host.



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L1: Entry 17 of 33

File: USPT

Oct 10, 2000

DOCUMENT-IDENTIFIER: US 6130092 A

TITLE: Ribozyme gene library and method for making

Priority Application Year (1):
1994

Priority Application Year (2):
1994

Brief Summary Text (24):

The present invention is a ribozyme gene library, and a method for producing the ribozyme gene library wherein the desired target sequence, or that one that is to be switched off, itself searches out the most suitable ribozyme from a selection of ribozymes with known stability and structure. Pursuant to the present invention, this is accomplished due to the ribozyme library which can be expressed within any expression cassette. For example one can use a conventional polymerase II-promoter (e.g. cytomegalovirus CMV), a piece of a gene coding for mRNA, as well as a termination sequence. Another way of expressing the ribozyme library is a conventional polymerase I-gene with a promoter and a termination sequence. Yet another way is a polymerase III-gene with an internal promoter (e.g. the VA-RNA gene).

Brief Summary Text (25):

However, the biological activity of the ribozyme requires a secondary structure formation which is correctly formed on one side of the ribozyme structure, and on the other side prevents the flanking DNA sequences from a structural inhibition of the ribozyme activity. The conventional expression cassettes of the three above-exemplified types enable the expression of all ribozyme genes in the library, but they can have an unpredictable effect on the folding of individual ribozyme-RNAs. An expression cassette can be optimized, containing from about 10.sup.9 to about 10.sup.11 ribozyme genes, and the expression cassette suitably contains a T7 promoter, an adenoviral va-RNA-gene, and a stable loop region to assure an open structure of the ribozyme sequences. These ribozymes have a central hammerhead structure of defined sequence and flanking sequences of bases arranged randomly. The hammerhead structure is coded by a double stranded gene, in which the hammerhead is enclosed on both sides by flanking, random sequences of bases.

Detailed Description Text (7):

The expression cassette is most suitably a vector for the antisense and for the ribozyme expression. This vector for antisense expression and ribozyme expression can bring about a continuous and stable expression of a particular desired ribozyme or an antisense sequence in a cell. This suitable expression cassette has a strong promoter, suitably a T7 promoter, an adenoviral va-RNA gene, a stable loop region, and an insertion site for the antisense/ribozyme sequence in the loop region.

CLAIMS:

1. A ribozyme library comprising a collection of ribozyme genes encoding a hammerhead structure and flanking sequences of random nucleotides cloned at least once into an expression cassette for ribozyme expression, wherein said expression cassette contains a T7 promoter proximal to the 5' end of said cassette, an adenoviral va-RNA-gene adjacent to said promoter, and a loop region located in the central part of said gene, said loop region defined as a series of adjacent nucleotides between a first

nucleotide and a second nucleotide, said first nucleotide further linked on either side to adjacent nucleotides other than the second nucleotide, and the second nucleotide further linked on either side to adjacent nucleotides other than the first nucleotide.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 33 returned.**☐ 21. Document ID: US 5959178 A

L1: Entry 21 of 33

File: USPT

Sep 28, 1999

US-PAT-NO: 5959178

DOCUMENT-IDENTIFIER: US 5959178 A

TITLE: Modification of lignin synthesis in plants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

[KIMC](#) [Draw Desc](#)☐ 22. Document ID: US 5939539 A

L1: Entry 22 of 33

File: USPT

Aug 17, 1999

US-PAT-NO: 5939539

DOCUMENT-IDENTIFIER: US 5939539 A

TITLE: GA 20-oxidase gene sequences

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

[KIMC](#) [Draw Desc](#)☐ 23. Document ID: US 5932435 A

L1: Entry 23 of 33

File: USPT

Aug 3, 1999

US-PAT-NO: 5932435

DOCUMENT-IDENTIFIER: US 5932435 A

TITLE: Screening antisense and ribozyme nucleic acids in schizosaccharomyces pombe

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

[KIMC](#) [Draw Desc](#)☐ 24. Document ID: US 5925804 A

L1: Entry 24 of 33

File: USPT

Jul 20, 1999

US-PAT-NO: 5925804

DOCUMENT-IDENTIFIER: US 5925804 A

TITLE: Production of trehalose in plants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 25. Document ID: US 5907084 A

L1: Entry 25 of 33

File: USPT

May 25, 1999

US-PAT-NO: 5907084

DOCUMENT-IDENTIFIER: US 5907084 A

TITLE: Virus resistant or tolerant cells

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 26. Document ID: US 5877015 A

L1: Entry 26 of 33

File: USPT

Mar 2, 1999

US-PAT-NO: 5877015

DOCUMENT-IDENTIFIER: US 5877015 A

**** See image for Certificate of Correction ****

TITLE: APP770 mutant in alzheimer's disease

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 27. Document ID: US 5840550 A

L1: Entry 27 of 33

File: USPT

Nov 24, 1998

US-PAT-NO: 5840550

DOCUMENT-IDENTIFIER: US 5840550 A

TITLE: Endo-xyloglucan transferase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 28. Document ID: US 5834237 A

L1: Entry 28 of 33

File: USPT

Nov 10, 1998

US-PAT-NO: 5834237

DOCUMENT-IDENTIFIER: US 5834237 A

**** See image for Certificate of Correction ****

TITLE: Combined use of two expression cassettes for the production of a protein of interest

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 29. Document ID: US 5831067 A

L1: Entry 29 of 33

File: USPT

Nov 3, 1998

US-PAT-NO: 5831067

DOCUMENT-IDENTIFIER: US 5831067 A

**** See image for Certificate of Correction ****

TITLE: Agent for stimulating animal cell division

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 30. Document ID: US 5580559 A

L1: Entry 30 of 33

File: USPT

Dec 3, 1996

US-PAT-NO: 5580559

DOCUMENT-IDENTIFIER: US 5580559 A

TITLE: Hybrid plasminogen activator

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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Term	Documents
@PRAY.USPT.	1125941
CASSETTE.USPT.	55763
CASSETTES.USPT.	21220
PROMOTS	0
PROMOT.USPT.	40
PROMOTA.USPT.	1
PROMOTABILITY.USPT.	12
PROMOTABLE.USPT.	31
PROMOTACS.USPT.	1
PROMOTANT.USPT.	343
PROMOTANTS.USPT.	226
((@PRAY <= 1995 AND (CASSETTE SAME PROMOTS SAME (ANTISENS\$ OR RIBOZYM\$))).USPT.	33

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L1: Entry 31 of 33

File: USPT

May 14, 1996

US-PAT-NO: 5516694

DOCUMENT-IDENTIFIER: US 5516694 A

TITLE: Endo-xyloglucan transferase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 32. Document ID: US 5409700 A

L1: Entry 32 of 33

File: USPT

Apr 25, 1995

US-PAT-NO: 5409700

DOCUMENT-IDENTIFIER: US 5409700 A

TITLE: Pharmaceutical compositions comprising modified and unmodified plasminogen activators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 33. Document ID: US 5242819 A

L1: Entry 33 of 33

File: USPT

Sep 7, 1993

US-PAT-NO: 5242819

DOCUMENT-IDENTIFIER: US 5242819 A

TITLE: DNA molecules encoding hybrid proteins of tissue plasminogen activator and urokinase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

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PROMOTA.USPT.	1
PROMOTABILITY.USPT.	12
PROMOTABLE.USPT.	31
PROMOTACS.USPT.	1
PROMOTANT.USPT.	343
PROMOTANTS.USPT.	226
((@PRAY <= 1995 AND (CASSETTE SAME PROMOTS SAME (ANTISENS\$ OR RIBOZYM\$))).USPT.	33

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TITLE: Ribozyme nucleic acids and methods of use thereof for controlling viral pathogens

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc
Image												

☐ 5. Document ID: US 6372888 B1

L1: Entry 5 of 33

File: USPT

Apr 16, 2002

US-PAT-NO: 6372888

DOCUMENT-IDENTIFIER: US 6372888 B1

TITLE: Antifungal proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 6. Document ID: US RE37411 E

L1: Entry 6 of 33

File: USPT

Oct 16, 2001

US-PAT-NO: RE37411

DOCUMENT-IDENTIFIER: US RE37411 E

TITLE: Expression cassette for antisense expression of ribozyme

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 7. Document ID: US 6300540 B1

L1: Entry 7 of 33

File: USPT

Oct 9, 2001

US-PAT-NO: 6300540

DOCUMENT-IDENTIFIER: US 6300540 B1

TITLE: Transgenic mouse expressing an APP-FAD DNA sequence

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 8. Document ID: US 6262344 B1

L1: Entry 8 of 33

File: USPT

Jul 17, 2001

US-PAT-NO: 6262344

DOCUMENT-IDENTIFIER: US 6262344 B1

TITLE: Nematode-inducible plant gene promoter

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KM/C	Draw Desc
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☐ 9. Document ID: US 6262339 B1

L1: Entry 9 of 33

File: USPT

Jul 17, 2001

US-PAT-NO: 6262339

DOCUMENT-IDENTIFIER: US 6262339 B1

TITLE: Process for generating male sterile plants

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KM/C	Draw Desc
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☐ 10. Document ID: US 6261834 B1

L1: Entry 10 of 33

File: USPT

Jul 17, 2001

US-PAT-NO: 6261834

DOCUMENT-IDENTIFIER: US 6261834 B1

TITLE: Vector for gene therapy

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KM/C	Draw Desc
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PROMOTACS.USPT.	1
PROMOTANT.USPT.	343
PROMOTANTS.USPT.	226
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L1: Entry 1 of 33

File: USPT

Dec 3, 2002

US-PAT-NO: 6488926

DOCUMENT-IDENTIFIER: US 6488926 B1

TITLE: Vaccine compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

☐ 2. Document ID: US 6483010 B1

L1: Entry 2 of 33

File: USPT

Nov 19, 2002

US-PAT-NO: 6483010

DOCUMENT-IDENTIFIER: US 6483010 B1

TITLE: DNA molecules encoding enzymes involved in starch synthesis, vectors, bacteria, transgenic plant cells and plants containing these molecules

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

☐ 3. Document ID: US 6455675 B1

L1: Entry 3 of 33

File: USPT

Sep 24, 2002

US-PAT-NO: 6455675

DOCUMENT-IDENTIFIER: US 6455675 B1

TITLE: GA 20-oxidase gene sequences

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
Image												

☐ 4. Document ID: US 6451603 B1

L1: Entry 4 of 33

File: USPT

Sep 17, 2002

US-PAT-NO: 6451603

DOCUMENT-IDENTIFIER: US 6451603 B1